

Conclusions

1. Substantial pitch angle scattering observed during enhanced wave activity. The interaction region is below ~ 50 degrees latitude.
2. Scattering is strongest just outside the plasmapause on the dayside (MLT=14:00 hrs.)
3. The measured wave intensities near the equator are not adequate to explain scattering assuming idealized field-aligned whistler mode waves.
4. Diffusion models which assume that trapped electrons generate waves near the equator which then scatter the trapped electrons are not valid in this case.

